



TOWN COUNCIL OF BENONI

Annual Report

of the

MEDICAL OFFICER OF
HEALTH



FOR THE YEAR
1ST OF JULY, 1940—30TH OF JUNE, 1941



22501415938

TOWN COUNCIL OF BENONI.

A N N U A L R E P O R T

OF THE

MEDICAL OFFICER OF
HEALTH

FOR THE YEAR

1st JULY, 1940 - 30th JUNE, 1941

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To His Worship the Mayor,

and Members of the Town Council of Benoni.

Your Worship, Councillor Mrs. Hills, and Gentlemen,

I have the honour and pleasure to present to you the Annual Public Health Report for the year ending June 30th, 1941.

These records shew that a tremendous amount of work is being carried out by your Public Health Staff and that, in spite of depletion of the Staff owing to the War, there is no falling off in the satisfactory high standard of the health of the community, nor in the cleanliness of Benoni.

During the year under review there have been the usual mild epidemics of childish infectious diseases and in regard to these, I would particularly desire to draw attention to that of Diphtheria. This filthy and dreaded Disease, though no worse during the year under review than last year, could, with a thorough endeavour of prophylactic treatment, be practically eliminated. The course which is almost painless, is now combined with that for Whooping Cough, and should be administered to all children before commencing their schooling career. I am sure that all Parents, in order to protect their children, would agree to this procedure being adopted. At present, owing to your Medical Staff being away at the War, this campaign could only be carried out with the active co-operation of all Medical Practitioners in the area.

The incidence of other diseases is much the same as in the preceding year and there is nothing on which to make any comment.

The work of the various clinics is being carried on satisfactorily by the Doctors allocated to these duties. The Infant Welfare, Venereal Diseases, and Ante and Post Maternity Clinics are proving a great boon to the community in reducing the death rate and preventing the spread of Disease. The work at the Clinics is growing month by month, proving that the people are appreciating what is being provided for them in skilled medical and nursing advice. I wish, on your behalf, to thank the Doctors and Nurses of these Clinics for the excellent work that they have done.

The shortage of Hospitalisation for Infectious Cases has created much difficulty, and it is a matter of regret that our Boksburg-Benoni Hospital has not been able to function owing to the shortage of nurses trained in Infectious Diseases. This shortage in Hospitalisation has compelled us to keep many infectious cases in their homes and tends to spread the diseases. I wish, here, to thank my already overworked colleagues in this area for the unselfish and willing assistance they have rendered to me in looking after the many cases.

I have much pleasure in drawing your attention to the excellent work done by your Public Health Staff under the very able guidance of Mr. W.E. Martin, and to the fine way they have so actively endeavoured to assist the citizens of Benoni to further improve the Health of the Town.

I wish, finally, to record my appreciation of the courtesy and kindly assistance rendered to me by your Chairman, the late Councillor C.L. Adams, by the other members of the Public Health Committee and your Town Clerk, Mr. R. Bayley and his staff.

I have the honour to be,

Your obedient servant,

H.A. SMITH

ACTING MEDICAL OFFICER OF HEALTH

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TOWN COUNCIL OF BENONI.

PUBLIC HEALTH DEPARTMENT.

1940 - 1941.

LEADING VITAL STATISTICS

FOR THE YEAR ENDING ON THE 30th JUNE, 1941.

	ALL RACES.	EUROP- EANS.	MINE NAT- IVES.	NON- MINE NATIVES	COL- LOURED.	IND- IAN.	ALL NON EUROP- EANS.
POPULATION	86800	24600	34600	24400	2100	1100	62200
Birth Rate	12.09	23.13	-	(14.6) ^x	39.04	37.27	7.72
Illegitimacy Rate	8.48	1.23	-	18.77	18.29	-	17.08
Death Rate	10.46	7.52	4.68	20.82	18.1	13.64	11.62
Infantile Mortality	-	52.72	-	(583) ^x	220	73.17	-
VARIOUS DEATH RATES,							
Lung Disease (Non T.B.)	2.66	1.22	0.52	6.72	8.1	1.82	3.23
Enteritis (under 2)	1.15	0.28	-	3.57	1.90	1.82	1.50
Violence	1.13	0.33	1.97	0.66	2.38	0.91	1.45
Diseases of the Heart	0.84	1.22	0.23	1.35	0.48	0.91	0.69
Pulmonary Tuberculosis	0.35	0.08	0.17	0.86	0.00	0.91	0.45
Diseases Pec.to Infancy	0.65	0.73	-	1.48	0.48	0.91	0.61
Enteric Fever	0.13	0.12	0.09	0.16	0.48	0.00	0.13
Cancer	0.18	0.45	0.03	0.08	0.48	0.91	0.08
INFECTIOUS DISEASE INCIDENCE RATES.							
Enteric Fever	0.55	0.53	0.38	0.78	0.48	1.82	0.56
Enteric Fever (Excl.Imp.)	0.45	0.41	0.29	0.70	0.48	0.91	0.47
Pulmonary Tuberculosis	1.18	0.41	1.85	0.90	2.38	0.91	1.48
Scarlet Fever	0.30	1.02	0.00	0.04	0.00	0.00	0.02
C.S. Meningitis	0.35	0.00	0.84	0.04	0.00	0.00	0.48
Erysipelas	0.18	0.41	0.14	0.04	0.00	0.00	0.10
Diphtheria	0.31	1.06	0.00	0.04	0.00	0.00	0.02
Measles	2.35	4.02	2.72	0.33	1.43	0.00	1.69
Whooping Cough	1.01	2.76	0.00	0.66	0.95	1.82	0.32

Population figures (estimated) as supplied by the Director of Census and Statistics, except for Mine Natives, in which case figures were obtained from a local census.

All rates, except illegitimacy rates (percentage), given per 1,000 population or per 1,000 births.

All rates corrected for outward transfer, and corrected for inward transfer as far as births and deaths in hospitals outside Benoni are concerned.

^x Native Infantile Mortality Rate is fallacious owing to inadequate registration of Native births.

The/.....

The most significant points in the figures detailed aforementioned are:-

- (1) A decrease in the Births in all Races with the exception of Non Mine Natives.
- (2) An increase in the Deaths in all Races.
- (3) Infantile Mortality show a decrease in the Europeans, but an increase in the Non-Europeans.
- (4) The incidence of Enteric Fever has increased.
- (5) There is a small increase in the deaths due to Lung Diseases.

H.A. SMITH.

ACTING MEDICAL OFFICER OF HEALTH.

METEOROLOGICAL RECORDS

STATION 8/1682 : BENONI MUNICIPAL COMPOUND.

ALTITUDE 5,400 FEET.

LAT. 26°11'S. LONG. 28°19'E.

(a) ATMOSPHERIC TEMPERATURE

	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Year
Mean Daily Maximum	62.2	68.4	73.1	74.5	76.5	78.9	75	76.9	76.6	73.2	70.6	64.1	72.5
Mean Daily Minimum	34.9	41.3	48.2	50.4	54.8	57.1	56.5	57.5	55.3	51.3	43.2	57.0	48.9
Mean Daily Range	25.1	26.8	24.9	24.1	21.7	21.8	18.5	19.4	23.3	21.9	26.8	27.1	23.5
Greatest Daily Range	35.0	37.0	34.7	32.7	28.8	29.0	26.0	24.5	27.9	30.5	31.0	36.0	31.1
Least Daily Range	21.5	18.3	6.8	10.4	4.9	12.0	4.0	13.6	14.0	5.0	23.0	11.5	12.0
Absolute Maximum	73.5	74.8	80.0	86.5	86.0	87.0	80.5	83.0	85.0	79.0	75.5	75.0	80.5
Absolute Minimum	28.8	32.0	38.8	32.8	43.0	52.0	54.0	53.5	43.0	36.0	33.0	23.0	39.2
Absolute Range	44.7	42.8	41.2	53.7	43.0	35.0	26.5	29.5	42.0	43.0	42.5	52.0	41.3

(b) RAINFALL, HUMIDITY, SUNSHINE,

CLOUDINESS AND WIND.

	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	June	Year.
RAINFALL: Total Inches ...	Nil	.005	2.45	1.015	6.86	5.19	7.71	2.32	4.65	2.78	Nil	Nil	2.748
No. Rainy Days	Nil	2	9	6	13	16	14	9	10	8	Nil	Nil	7.25
Mean Daily Relative Humidity	57.7	62.	76.8	61	72	76	80	76	75	80.6	67	69	71.1
CLOUDINESS: Daily Average (tenths)	1.4	2.	6.3	3.	5.	6.4	5.	5.3	2.4	4.	.5	2.	3.6
SUNSHINE: Duration in hours	258.	268.2	197.3	299.	261.	211.	210.7	212.5	270.5	248.9	297.5	260.6	249.6
Hours per day	8.3	8.6	6.6	9.6	8.6	6.8	6.8	7.6	8.7	8.3	9.6	8.7	8.2
WIND: From N. E. " " " " " " " (Days)	2 2 3 0 0 2 0 3	5 3 0 0 1 1 2 6	7 2 1 2 1 3 1 7	6 4 2 0 3 4 2 5	5 4 1 0 1 5 6 5	6 2 1 0 2 0 4 5	9 3 3 0 1 0 1 0	7 1 2 0 0 0 5 7	4 2 2 0 1 3 6 5	2 1 1 0 1 2 5 0	3 0 0 0 2 5 1 3	5 1 3 0 5 0 0 2	5 2 2 2 2 2 3 4
CALM DAYS:	18	13	6	5	3	11	14	6	8	18	17	14	11

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P O P U L A T I O N .

	MALES.	FEMALES.	TOTAL.
EUROPEANS	13,000	11,600	24,600
MINING NATIVES (In Mine Compounds)	34,600	--	34,600
NON-MINING NATIVES (Including Location, Mining Properties etc.)	14,070	10,330	24,400
COLOURED	1,050	1,050	2,100
INDIAN	600	500	1,100
TOTAL: NON-EUROPEANS.	50,320	11,880	62,200
TOTAL: ALL RACES.	63,320	23,480	86,800

Population figures (estimated) as supplied by the Director of Census and Statistics, except for Mining Natives, in which case figures were obtained from a local census.

B I R T H S

(a) Total Births in Months

	EUROPEAN			NON-MIN.N.			COLOURED			INDIAN			TOTAL.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
JULY	29	20	49	9	8	17	6	2	8	2	4	6	46	34	80
AUGUST	23	15	38	9	14	23	5	7	12	0	1	1	37	37	74
SEPTEMBER	24	30	54	14	13	27	3	1	4	3	2	5	44	46	90
OCTOBER	26	27	53	10	10	20	3	4	7	1	2	3	40	43	83
NOVEMBER	25	33	58	12	13	25	4	4	8	1	1	2	42	51	93
DECEMBER	19	15	34	18	17	35	2	2	4	0	2	2	39	36	75
JANUARY	23	12	35	20	16	36	1	1	2	1	6	7	45	35	80
FEBRUARY	16	25	41	14	14	28	6	2	8	0	2	2	36	43	79
MARCH	21	15	36	15	21	36	0	3	3	1	2	3	37	41	78
APRIL	25	29	54	23	23	46	2	4	6	4	1	5	54	57	111
MAY	28	37	65	21	20	41	7	6	13	3	0	3	59	63	122
JUNE	35	17	52	9	14	23	2	5	7	1	1	2	47	37	84
TOTAL.	294	275	569	174	183	357	41	41	82	17	24	41	526	523	1049

(b) Total Births in Districts

	EUROPEAN			NON-MIN.N.			COL.			IND.			TOTAL		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Township	182	158	340	12	17	29	0	2	2	0	1	1	194	178	372
Northmead	52	47	99	3	2	5							55	49	104
Location				147	150	297	29	27	56	17	19	36	193	196	389
Semi-Rural Areas	29	41	70	3	4	7	4	3	7	0	2	2	36	50	76
A	263	246	509	165	173	338	33	32	65	17	22	39	478	473	951
Kleinfontein	4	3	7	3	2	5	1	1	2	0	1	1	8	7	15
Van Ryn Estates	1	6	7	0	1	1	1	0	1	0	0	0	2	7	9
Modder Bee	6	9	15	4	6	10	0	3	3	0	1	1	10	19	29
Modder Deep	3	2	5	1	0	1	0	0	0	0	0	0	4	2	6
Modder East	5	3	8	0	0	0	0	0	0	0	0	0	5	3	8
New Modder	11	5	16	1	0	1	6	5	11	0	0	0	18	10	28
Van Ryn Deep	1	1	2	0	1	1	0	0	0	0	0	0	1	2	3
B	31	29	60	9	10	19	8	9	17	0	2	2	48	50	98
TOTAL.	294	275	569	174	183	357	41	41	82	17	24	41	526	523	1049

(c) Total Illegitimate Births

	EUROPEAN.	NATIVE.	COLOURED.	INDIAN.	TOTAL
Males	1	34	3	-	38
Females	6	33	12	-	51
Total	7	67	15	-	89

(d) Birth Rates and Illegitimacy Rates.

	Births per 1,000 Population	% Illegitimacy to Total Births
EUROPEAN	23.13	1.23
NATIVES - NON-MINING	14.63	18.77
COLOURED	39.04	18.29
INDIAN	37.27	-
ALL NON-EUROPEAN	7.72	17.08
ALL RACES	12.09	8.48

DEATHS

(a) Total in Months.

	EUROPEAN			MIN. NAT.	NON-MIN. N.			COL.			IND.			TOTAL.		
	M.	F.	T.	M.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
JULY	13	8	21	7	30	18	48	3	2	5	0	1	1	53	29	82
AUGUST	10	9	19	9	32	17	49	0	2	2	0	0	0	51	28	79
SEPTEMBER	12	13	25	8	17	16	33	1	0	1	3	1	4	41	30	71
OCTOBER	11	5	16	19	26	26	52	3	2	5	1	0	1	60	53	93
NOVEMBER	10	3	13	18	27	20	47	3	1	4	0	1	1	58	25	83
DECEMBER	10	6	16	12	29	29	58	0	0	0	1	1	2	52	36	88
JANUARY	5	7	12	16	21	20	41	3	1	4	1	1	2	46	29	75
FEBRUARY	5	4	9	14	17	15	32	1	1	2	0	2	2	37	22	59
MARCH	11	7	18	16	30	19	49	1	4	5	0	0	0	58	30	88
APRIL	8	4	12	12	15	27	42	3	3	6	1	1	2	39	35	74
MAY	6	4	10	17	17	11	28	1	1	2	0	0	0	41	16	57
JUNE	8	6	14	14	18	11	29	2	0	2	0	0	0	42	17	59
TOTAL:	109	76	185	162	279	229	508	21	17	38	7	8	15	578	330	908

(b) Total in Age Groups

	EUROPEAN			MIN. NAT.	NON-MIN. N.			COL.			IND.			TOTAL.		
	M	F	T	M	M	F	T	M	F	T	M	F	T	M	F	T
0	16	14	30		115	93	208	9	9	18	2	1	3	142	117	259
1	3	1	4		25	30	55	1	1	2				29	32	61
2	1	1	2		10	14	24	0	1	1	0	1	1	11	17	28
3	1	0	1		2	1	3							3	1	4
4					2	2	4							2	2	4
5-9	2	0	2		4	6	10	1	1	2	1	1	2	8	8	16
10-14	0	1	1		2	4	6	1	0	1				3	5	8
15-19	1	3	4	4	10	6	16				0	1	1	15	10	25
20-24	4	0	4	28	10	3	13							42	3	45
25-29	1	6	7	37	11	8	19	1	0	1	0	1	1	50	15	65
30-34	2	1	3	49	13	7	20	0	1	1	1	2	3	65	11	76
35-39	1	1	2	16	11	10	21							28	11	39
40-44	8	3	11	14	18	9	27	0	1	1				40	13	53
45-49	7	1	8	8	11	6	17	1	0	1				27	7	34
50-54	10	3	13	3	8	6	14	1	0	1				22	9	31
55-59	6	4	10	1	7	7	14	1	0	1	1	0	1	16	11	27
60-64	10	7	17	2	7	5	12	2	1	3	1	1	2	22	14	36
65-69	11	7	18		2	5	7	2	0	2				15	12	27
70-74	12	8	20		3	1	4							15	9	24
75-79	8	6	14		4	1	5	1	2	3				13	9	22
80-up	5	9	14		4	5	9				1	0	1	10	14	24
TOTAL	109	76	185	162	279	229	508	21	17	38	7	8	15	578	330	908

(c) Total Deaths in Districts

	EUROPEAN			NATIVE			COL.			IND.			TOTAL.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Township	84	51	135	34	7	41	3	2	5				121	60	181
Northmead	12	10	22	0	1	1							12	11	23
Location				213	198	411	15	14	29	7	7	14	235	219	454
Semi-Rural Areas	4	4	8	14	9	23	2	1	3				20	14	34
A	100	65	165	261	215	476	20	17	37	7	7	14	388	304	692
Kleinfontein	1	0	1	35	5	40							36	5	41
Van Ryn Estates	4	2	6	26	0	26							30	2	32
Modder Bee	2	3	5	46	6	52				0	1	1	48	10	58
Modder East	1	2	3	2	0	2							3	2	5
New Modder	0	2	2	40	1	41	1	0	1				41	3	44
Van Ryn Deep	1	0	1	25	0	25							26	0	26
Modder Deep	0	2	2	6	2	8							6	4	10
B	9	11	20	180	14	194	1	0	1	0	1	1	190	26	216
TOTAL	109	76	185	441	229	670	21	17	38	7	8	15	578	330	908

(d) DEATH RATES

(Deaths per thousand Population)

	MALES.	FEMALES.	TOTAL.
EUROPEAN	8.4	5.7	7.52
NATIVE-MINES	4.68	.	4.68
NATIVE-NON MINES	19.8	22.1	20.82
COLOURED	20.8	16.2	18.1
INDIAN	5.0	16.0	13.64
ALL NON EUROPEAN	6.1	21.3	11.62
ALL RACES	9.1	14.05	10.46

DETAILED CAUSES OF DEATHS.

	EUR.			MIN. N.	NON-MIN			COL.			IND.			ALL RACES		
	M.	F.	T.	M.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
I. INFECTIOUS DISEASES																
001 Enteric Fever	2	1	3	3	2	2	4	1	0	1				8	3	11
004 Relapsing Fever	1	0	1											1	0	1
008 Measles				7										7	0	7
010 Whooping Cough					1	1	2							1	1	2
012 Influenza (Lungs)	3	0	3	12	8	3	11	0	1	1	1	0	1	24	4	28
013 Influenza (Not ")					1	0	1							1	0	1
015 Amoebic Dysentery				1										1	0	1
017 Other Dysentery					1	0	1							1	0	1
025 C. Spinal Meningitis				2										2	0	2
030 Tuberculosis (Lungs)	2	0	2	6	15	6	21				1	0	1	24	6	30
031 " (Nerves)				1	1	1	2							2	1	3
032 " (Intestines)					1	3	4				0	1	1	1	4	5
033 " (Vertebral Column)				1										1	0	1
036 " (Lymphatic System)				2										2	0	2
039 Disseminated T.B. (Acute)				5	1	1	2							6	1	7
040 " T.B. (Chronic)				1										1	0	1
042 Syphilis				3	11	16	27	1	2	3				15	18	33
043 Gonorrhoea				1										1	0	1
045 Septicaemia	0	1	1		0	1	1							0	2	2
047 Malaria	0	2	2	2										2	2	4
050 Anklostomasis				1										1	0	1
052 Other Diseases due to Helminths				1										1	0	1
061 Mumps					0	1	1							0	1	1
TOTAL : I	8	4	12	49	42	35	77	2	3	5	2	1	3	103	43	146
II. MALIGNANT TUMOURS																
101 Cancer: Digestive Organs	1	9	10	1	1	1	2							3	10	13
106 " : Breast											0	1	1	0	1	1
107 " : Prostate								1	0	1				1	0	1
122 Undetermined	1	0	1											1	0	1
TOTAL : II	2	9	11	1	1	1	2	1	0	1	0	1	1	5	11	16
III. RHEUMATISM etc.																
149 Rheumatic Fever					0	1	1							0	1	1
150 Rheumatic Heart	2	0	2		3	4	7							5	4	9
151 Chronic Rheumatism					1	0	1							1	0	1
153 Diabetes	0	4	4								0	1	1	0	5	5
156 Pellagra					0	2	2							0	2	2
165 Thymus Gland											0	1	1	0	1	1
167 Other Diseases					1	0	1							1	0	1
TOTAL : III	2	4	6		5	7	12				0	2	2	7	13	20

	EUR.			MIN. N.	NON-MIN.			COL.			IND.			ALL RACES		
	M.	F.	T.	M.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
IV. DISEASES OF BLOOD																
200 Purpura					1	1	2							1	1	2
204 Leucaemia	1	0	1											1	0	1
205 Lymphadenoma	0	1	1											0	1	1
TOTAL : IV.	1	1	2		1	1	2							2	2	4
V. CHRONIC POISONINGS																
250 Alcoholism	1	0	1		1	0	1							2	0	2
TOTAL : V.	1	0	1		1	0	1							2	0	2
VI. NERVOUS SYSTEM																
301 Meningitis	2	1	3	3	1	1	2							6	2	8
302 Locomotor Ataxia					0	1	1							0	1	1
304 Cerebral Haemorrhage	4	0	4		2	1	3	1	0	1				7	1	8
305 Cerebral Embolism	0	1	1		1	1	2							1	2	3
309 Other Insanity					0	1	1				0	1	1	0	2	2
310 Epilepsy				1	2	0	2							3	0	3
313 Other Nerve Diseases	1	0	1											1	0	1
315 Mastoiditis				1										1	0	1
TOTAL : VI.	7	2	9	5	6	5	11	1	0	1	0	1	1	19	8	27
VII. CIRCULATORY SYSTEM																
350 Pericarditis				1	1	0	1							2	0	2
351 Acute Endocarditis	0	2	2		0	1	1				0	1	1	0	4	4
352 Valvular Dis. of Heart	3	0	3	1	5	9	14							9	9	18
353 Acute Myocarditis	7	0	7	3	3	2	5							13	2	15
355 Other Myocarditis	1	0	1		2	2	4							3	2	5
356 Angina Pectoris	11	2	13	3	3	1	4							17	3	20
357 Other Dis. of Heart	2	2	4		2	2	4	1	0	1				5	4	9
359 Arterio Sclerosis	2	4	6		3	1	4							5	5	10
365 Aon. Blood Pressure	2	0	2		0	1	1							2	1	3
366 Other Diseases	0	1	1											0	1	1
TOTAL : VII.	28	11	39	8	19	19	38	1	0	1	0	1	1	56	31	87
VIII. RESPIRATORY SYSTEM																
402 Acute Bronchitis	3	0	3		8	2	10	2	0	2				13	2	15
403 Chronic Bronchitis	0	1	1		2	2	4							2	3	5
404 Broncho Pneumonia	5	3	8	7	56	50	106	4	6	10	1	0	1	73	59	132
405 Lobar Pneumonia	4	1	5	11	23	15	38	3	1	4	1	0	1	42	17	59
406 Pneumonia	1	0	1		1	1	2							2	1	3
407 Empyæmia	1	0	1					0	1	1				1	1	2
409 Pulmonary Congestion	1	0	1		0	1	1							1	1	2
410 Asthma	0	2	2		1	0	1							1	2	3
412 Other Resp. Diseases					1	1	2							1	1	2
413 Silicosis (Non T.B.)	8	0	8											8	0	8
414 Silicosis (With T.B.)				2	1	0	1							3	0	3
TOTAL : VIII.	23	7	30	20	93	72	165	9	8	17	2	0	2	147	87	234

	EUR.			HIN. N.		NOT HIN.			COL.			IND.			ALL RACES.		
	M.	F.	T.	M.	F.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
IX. DIGESTIVE SYSTEM																	
456 Enteritis(Under 2)	3	4	7			48	41	87	2	2	4	1	1	2	52	48	100
457 Enteritis(2 and over)	3	1	1			3	7	15							8	8	16
458 Appendicitis	2	0	2	3		1	0	1							6	0	6
459 Hernia	0	1	1			1	1	2							1	2	3
460 Intestinal Obstruction	0	1	1			0	2	2							0	3	3
461 Other Dis. Intestines				1											1	0	1
463 Cirrhosis of Liver						1	0	1							1	0	1
465 Other Dis. of Liver				2		1	0	1							3	0	3
TOTAL IX.	5	7	12	6		58	51	109	2	2	4	1	1	2	72	61	133
X. KIDNEYS etc.																	
500 Acute Nephritis				1											1	0	1
501 Chronic Nephritis	3	5	8	3		4	6	10	0	1	1	1	0	1	11	12	23
503 Other Dis. Of Kidneys	1	0	1	1											2	0	2
507 Diseases of Prostate	3	0	3			1	0	1							4	0	4
509 Diseases of Ovary	0	1	1												0	1	1
510 Salpingitis						0	1	1							0	1	1
513 Other Diseases (Female Organs)						0	1	1							0	1	1
TOTAL X.	7	6	13	5		5	8	13	0	1	1	1	0	1	18	15	33
XI. DISEASES OF PREGNANCY																	
553 Other Accidents	0	2	2												0	2	2
555 Puerperal Sepsis						0	1	1							0	1	1
557 Other Toxaemia						0	1	1							0	1	1
559 Obstructed Labour	0	1	1												0	1	1
TOTAL XI.	0	3	3			0	2	2							0	5	5
XIV. CONGENITAL MALFORMATIONS																	
703 Other Cong. Malform.	1	0	1												1	0	1
TOTAL XIV.	1	0	1												1	0	1
XV. DISEASES OF EARLY INFANCY.																	
750 Congenital Debility	1	0	1			1	2	3							2	2	4
751 Premature Birth	5	8	13			7	9	16							12	17	29
752 Injury at Birth	2	0	2			1	0	1				1	0	1	4	0	4
753 Other Infant Dis.	1	0	1			8	7	16	1	0	1				11	7	18
TOTAL XV.	9	8	17			18	18	36	1	0	1	1	0	1	29	26	55
XVI. OLD AGE																	
800 Old Age	7	13	20			4	6	10	1	0	1				12	19	31
TOTAL XVI	7	13	20			4	6	10	1	0	1				12	19	31

	EUR.			MIN.N.	NON-MIN.			COL.			IND.			ALL RACES.		
	M.	F.	T.	M.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
XVII. VIOLENCE																
854 Suicide: Fire Arms	2	0	2											2	0	2
861 Homicide: Knives				3	2	0	2							5	0	5
862 Homicide: Other					5	0	5							5	0	5
865 Accident: Gassing	1	0	1		1	0	1							2	0	2
868 Accident: Burns	0	1	1	1	1	0	1	1	0	1	0	1	1	3	2	5
870 Accident: Drowning				1	1	0	1							2	0	2
873 Accident: Injury in Mines				55										55	0	55
875 Accident: Machinery					3	0	3							3	0	3
876 Accident: Railways				1	1	0	1							2	0	2
877 Motor Accidents	3	0	3	4	2	0	2	1	1	2				10	1	11
879 Accident: Animal drawn Vehicles				2				0	1	1				2	1	3
882 Accident: Crushing	1	0	1											1	0	1
883 Accident: Fall								0	1	1				0	1	1
891 Lightning				1										1	0	1
TOTAL XVII.	7	1	8	68	16	0	16	2	3	5	0	1	1	93	5	98
XVIII. ILL-DEFINED																
951 Ill-Defined	1	0	1		10	4	14	1	0	1				12	4	16
TOTAL XVIII.	1	0	1		10	4	14	1	0	1				12	4	16
GRAND TOTAL:	109	76	185	162	279	229	508	21	17	38	7	8	15	578	330	908

INFANTILE MORTALITY

(a) Total Infantile Deaths in Districts.

	EUR.			NAT.			COL.			IND.			ALL RACES		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Township	12	7	19	2	2	4	3	2	5				17	11	28
Northmead	2	1	3	0	1	1							2	2	4
Location				99	80	179	4	4	8	1	1	2	104	85	189
Semi-Rural Areas	0	3	3	6	6	12	1	3	4	1	0	1	8	12	20
A	14	11	25	107	89	196	8	9	17	2	1	3	131	110	241
New Kleinfontein				3	1	4							3	1	4
Van Ryn Estates				1	0	1							1	0	1
Modder Bee	0	1	1	2	2	4							2	3	5
Modder Deep				1	0	1							1	0	1
Modder East				1	1	2							1	1	2
New Modder	2	2	4				1	0	1				3	2	5
Van Ryn Deep													0	0	0
B	2	3	5	8	4	12	1	0	1	0	0	0	11	7	18
TOTAL	16	14	30	115	93	208	9	9	18	2	1	3	142	117	259

(b) Causes of Infantile Deaths

	EUR.			NAT.			COL.			IND.			ALL RACES		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
010 Whooping Cough				1	1	2							1	1	2
042 Syphilis				6	10	16	1	0	1				7	10	17
301 Meningitis	0	1	1	1	0	1							1	1	2
309 Epilepsy				1	0	1							1	0	1
402 Acute Bronchitis	1	0	1	5	1	6	1	0	1				7	1	8
404 Broncho Pneumonia	1	2	3	37	31	68	2	6	8				40	39	79
405 Lobar Pneumonia				2	6	8	1	1	2				3	7	10
406 Pneumonia				0	1	1							0	1	1
409 Pulmonary Congestion	1	0	1										1	0	1
418 Influenza				1	0	1							1	0	1
456 Enteritis	2	3	5	35	23	58	2	2	4	1	1	2	40	29	69
459 Hernia				1	0	1							1	0	1
463 Intestinal Obstruction				0	1	1							0	1	1
563 Haemorrhage	1	0	1										1	0	1
575 Purpura Congenital				0	1	1							0	1	1
708 Other Malformations	1	0	1	1	0	1	1	0	1				3	0	3
750 Congenital Debility	1	0	1	1	2	3							2	2	4
751 Prematurity	5	7	12	7	9	16							12	16	28
753 Injury at Birth	2	0	2							1	0	1	3	0	3
753 Infant Diseases	1	1	2	7	4	11							8	5	13
753 Other Infant Dis.				2	2	4							2	2	4
951 Ill-Defined				7	1	8	1	0	1				8	1	9
TOTAL	16	14	30	115	93	208	9	9	18	2	1	3	142	117	259

(c) Deaths in certain Age Groups

	EUR.			NAT.			COL.			IND.			ALL RACES		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1st Day	5	7	12	15	6	21	1	0	1				21	13	34
Rest of 1st week	5	1	6	5	13	18				1	0	1	11	14	25
Rest of 1st month	1	2	3	17	14	31	3	0	3				21	16	37
2nd to 6th months (incl)	4	2	6	53	33	86	4	7	11				61	42	103
7th to 12th " "	1	2	3	25	27	52	1	2	3	1	1	2	28	32	60
TOTAL	16	14	30	115	93	208	9	9	18	2	1	3	142	117	259

(d) Infantile Mortality Rates.

EUROPEAN	:	Males	54.08	-	
		Females	50.90	-	52.72
NATIVE	:	Males	660.8		
		Females	508.2	-	583 ±
COLOURED	:	Males	220.		
		Females	220.	-	220
INDIAN	:	Males	117.6		
		Females	4.1	-	60.8

~~±~~ Native Infantile Mortality Rate is unreliable because of inadequate registration of Births.

P U L M O N A R Y T U B E R C U L O S I S

(Including Silicosis with T.B.)

(a) Notifications : in Districts.

	EUROPEAN			NATIVE			COL.			IND.			ALL RACES		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Township	5	0	5	0	1	1	1	0	1				6	1	7
Location				8	11	19	2	0	2	0	1	1	10	12	22
Semi-Rural Areas	2	0	2	1	1	2							3	1	4
A	7	0	7	9	13	22	3	0	3	0	1	1	19	14	33
New Kleinfontein	1	0	1	5	0	5							6	0	6
Van Ryn Estates				5	0	5	1	0	1				6	0	6
Modder Bee				8	0	8							8	0	8
Modder Deep				4	0	4							4	0	4
Modder East	2	0	2										2	0	2
New Modder				15	0	15	1	0	1				16	0	16
Van Ryn Deep				27	0	27							27	0	27
B	3	0	3	64	0	64	2	0	2	0	0	0	69	0	69
TOTAL	10	0	10	73	13	86	5	0	5	0	1	1	88	14	102

(b) Deaths in Districts

	EUROPEAN			NATIVE			COL.			IND.			ALL RACES		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Township	2	0	2										2	0	2
Location				8	6	14				1	0	1	9	6	15
Semi-Rural Areas				1	0	1							1	0	1
A	2	0	2	9	6	15	0	0	0	1	0	1	12	6	18
New Kleinfontein				2	0	2							2	0	2
Van Ryn Estates				2	0	2							2	0	2
Modder Bee				3	0	3							3	0	3
Modder Deep				3	0	3							3	0	3
Modder East				1	0	1							1	0	1
New Modder				2	0	2							2	0	2
Van Ryn Deep				2	0	2							2	0	2
B	0	0	0	15	0	15	0	0	0	0	0	0	15	0	15
TOTAL	2	0	2	24	6	30	0	0	0	1	0	1	27	6	33

(c) Incidence and Death Rates

	INCIDENCE RATES (NOTIFICATIONS PER 1,000 POPULATION).	DEATH RATES (DEATHS PER 1,000 POPULATION).
European	0.41	0.08
Natives - Mines	1.85	0.17
Natives - Non Mines	0.90	0.86
Coloured	2.38	0.00
Indian	0.91	0.91
All Non-Europeans	0.48	0.45
ALL RACES	1.18	0.35

L U N G D I S E A S E S (N O N T U B E R C U L A R)

(Excluding Influenza)

(a) Total Deaths : in Months

	EUROPEAN.			MIN. NATIVES	NON-MIN. NATIVES.			COL.			IND.			ALL RACES		
	M.	F.	T.		M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
July	3	2	5		13	8	21	2	0	2				18	10	28
August	4	1	5	1	14	10	24							19	11	30
September	6	0	6	1	8	4	12				2	0	2	17	4	21
October	3	1	4	3	9	4	13	1	1	2				16	6	22
November	3	0	3	1	4	3	7	1	1	2				9	4	13
December	1	1	2	2	7	7	14							10	8	18
January	0	1	1		3	6	9	0	1	1				3	8	11
February	1	0	1		8	6	14	1	1	2				10	7	17
March				3	10	8	18	1	0	1				14	8	22
April				2	5	10	15	0	3	3				7	13	20
May	1	1	2	4	4	4	8	1	1	2				10	6	16
June	1	0	1	1	7	2	9	2	0	2				11	2	13
TOTAL	23	7	30	18	92	72	164	9	8	17	2	0	2	144	87	231

(b) Total Deaths : in Districts

	EUROPEAN			NATIVE			COL.			IND.			ALL RACES.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Township	19	5	24	3	7	10							22	12	34
Location				83	59	142	6	5	11	2	0	2	91	64	155
Semi-Rural Areas	1	2	3	1	0	1	1	3	4				3	5	8
A	20	7	27	87	66	153	7	8	15	2	0	2	116	81	197
New Kleinfontein	1	0	1	10	0	10	1	0	1				12	0	12
Van Ryn Estates				1	0	1							1	0	1
Modder Bee	1	0	1	1	2	3							2	2	4
Modder Deep				0	1	1							0	1	1
Modder East				2	3	5	1	0	1				3	3	6
New Modder				8	0	8							8	0	8
Van Ryn Deep	1	0	1	1	0	1							2	0	2
B	3	0	3	23	6	29	2	0	2	0	0	0	28	6	34
TOTAL	23	7	30	110	72	182	9	8	17	2	0	2	144	87	231

(c) Death Rates Per 1,000 Population Per Annum

European	1.22
Mining Natives	1.52
Non Mining Natives	6.72
Coloured	8.1
Indian	1.82
All Non-European	3.23
All Races	2.66

TOTAL OF ACUTE INTESTINAL INFECTIONS.

(Including Enteric, Enteritis & Dysentery)

(a) Total Deaths : In Months.

	EUROPEAN			MIN. NATIVES M.	NON MIN. NATIVES			COL.			IND.			ALL RACES		
	M.	F.	T.		M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
July					1	1	2							1	1	2
August					2	0	2							2	0	2
September	0	1	1		1	2	3	1	0	1				2	3	5
October					5	4	9	1	1	2	1	0	1	7	5	12
November	1	0	1		14	8	22							15	8	23
December	1	2	3	1	10	7	17							12	9	21
January	1	1	2		8	9	17							9	10	19
February	0	1	1		4	6	10				0	1	1	4	8	12
March	1	1	2		8	5	13	0	1	1				9	7	16
April	1	0	1	1	1	6	7	1	0	1				4	6	10
May				2	2	1	3							4	1	5
June					1	1	2							1	1	2
TOTAL	5	6	11	4	57	50	107	3	2	5	1	1	2	70	59	129

(b) Total Deaths : In Districts.

	EUROPEAN.			NATIVE.			COL.			IND.			ALL RACES.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Township	3	6	9	2	0	2							5	6	11
Location				46	45	91	3	2	5	1	1	2	50	48	98
Semi-urban Areas				2	0	2							2	0	2
A.	3	6	9	50	45	95	3	2	5	1	1	2	57	54	111
New Kleinfontein	1	0	1	3	4	7							4	4	8
Van Ryn Estates													0	0	0
Modder Bee				1	0	1							1	0	1
Modder Deep				2	1	3							2	1	3
Modder East	1	0	1	2	0	2							3	0	3
New Modder				1	0	1							1	0	1
Van Ryn Deep				2	0	2							2	0	2
B.	2	0	2	11	5	16	0	0	0	0	0	0	13	5	18
TOTAL	5	6	11	61	50	107	3	2	5	1	1	2	70	59	129

(c) Death Rates Per 1,000 Population Per Annum.

European	-	.44
Mining Natives	-	.12
Non-Mining Natives	-	4.38
Coloured	-	2.38
Indian	-	1.81
All Non-Europeans	-	1.89
All Races	-	1.48

TYPHOID AND PARATYPHOID FEVERS

(a) Notifications : Districts

	EUROPEAN.			NATIVE.			COL.			IND.			ALL RACES.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Township	7	1	8	1	0	1							8	1	9
Location				9	9	18	0	1	1	2	0	2	11	10	21
Semi-Rural Areas													0	0	0
A	7	1	8	10	9	19	0	1	1	2	0	2	19	11	30
New Kleinfontein				8	0	8							8	0	8
Van Ryn Estates				1	0	1							1	0	1
Modder Bee	2	1	3	1	0	1							3	1	4
Modder Deep													0	0	0
Modder East													0	0	0
New Modder				2	0	2							2	0	2
Van Ryn Deep	2	0	2	1	0	1							3	0	3
B	4	1	5	13	0	13	0	0	0	0	0	0	17	1	18
TOTAL	11	2	13	23	9	32	0	1	1	2	0	2	36	12	48

(b) Deaths : Districts

	EUROPEAN.			NATIVE.			COL.			IND.			ALL RACES.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Township	1	0	1										1	0	1
Location				2	2	4	0	1	1				2	3	5
Semi-Rural Areas													0	0	0
A	1	0	1	2	2	4	0	1	1	0	0	0	3	3	6
New Kleinfontein				1	0	1							1	0	1
Van Ryn Estates													0	0	0
Modder Bee													0	0	0
Modder Deep													0	0	0
Modder East													0	0	0
New Modder				2	0	2							2	0	2
Van Ryn Deep													0	0	0
B	0	0	0	3	0	3	0	0	0	0	0	0	3	0	3
TOTAL	1	0	1	5	2	7	0	1	1	0	0	0	6	3	9

(c) Incidence and Death Rates.

	INCIDENCE RATES (Notifications per 1,000 Population)	DEATH RATES (Deaths per 1,000 Population)	CASE MORTALITY RATES (Deaths per 1000 Cases)
Europeans	0.53	0.12	7
Natives - Mines	0.38	0.09	21
Natives - Non-Mines	0.78	0.16	22
Coloured	0.48	0.48	100
Indian	1.82	0.00	-
All Non-Europeans	0.56	0.13	23
ALL RACES	0.55	0.13	19

DIARRHOEA AND ENTERITIS

(Under 2 years)

(a) Total Deaths : In Months

	EUROPEAN			NATIVE			COL.			IND.			ALL RACES		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
July				0	1	1							0	1	1
August													0	0	0
September	0	1	1	0	2	2	1	0	1				1	3	4
October				5	4	9	1	1	2	1	0	1	7	5	12
November				14	6	20							14	6	20
December	0	2	2	7	6	13							7	8	15
January	1	0	1	7	8	15							8	8	16
February				4	5	9				0	1	1	4	6	10
March	1	1	2	6	4	10	0	1	1				7	6	13
April	1	0	1	1	4	5							2	4	6
May				1	0	1							1	0	1
June				1	1	2							1	1	2
TOTAL	3	4	7	46	41	87	2	2	4	1	1	2	52	48	100

(b) Total Deaths : In Districts

	EUROPEAN			NATIVE			COL.			IND.			ALL RACES		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Township	2	4	6	0	2	2							2	6	8
Location				39	35	74	2	2	4	1	1	2	42	38	80
Semi-Rural Areas				2	2	4							2	2	4
A	2	4	6	41	39	80	2	2	4	1	1	2	46	46	92
New Kleinfontein				2	1	3							2	1	3
Van Ryn Estates	1	0	1	1	0	1							2	0	2
Modder Bee				1	1	2							1	1	2
Modder Deep													0	0	0
Modder East				1	0	1							1	0	1
New Modder													0	0	0
Van Ryn Deep													0	0	0
B	1	0	1	5	2	7	0	0	0	0	0	0	6	2	8
TOTAL	3	4	7	46	41	87	2	2	4	1	1	2	52	48	100

(c) Death Rates Per 1,000 Population Per Annum

European	-	0.28
Mine Natives	-	-
Non-Mining Natives	-	3.57
Coloured	-	1.90
Indian	-	1.82
All Non-Europeans	-	1.50
All Races	-	1.15

C A N C E R

(a) Total Deaths : In Organs Affected.

	EUROPEAN			MIN. NAT.	NON MIN. NATIVES			COL.			IND.			ALL RACES		
	M.	F.	T.	M.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
101 Digestive Organs	1	9	10	1	1	1	2				0	1	1	3	10	13
106 Breast											0	1	1	0	1	1
107 Urinary Organs								1	0	1				1	0	1
122 Undetermined	1	0	1											1	0	1
TOTAL	2	9	11	1	1	1	2	1	0	1	0	1	1	5	11	16

(b) Total Deaths : In Age Groups

	EUROPEAN			MIN.NAT.	NON-MIN.N.			COL.			IND.			ALL RACES		
	M.	F.	T.	M.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
0-24				1										1	0	1
25-44	0	1	1								0	1	1	0	2	2
45-64	1	2	3					1	0	1				2	2	4
65 - up	1	6	7		1	1	2							2	7	9
TOTAL	2	9	11	1	1	1	2	1	0	1	0	1	1	5	11	16

(c) Death Rates Per 1,000 Population Per Annum

European	-	0.45
Mining Natives	-	0.03
Non-Mining Natives	-	0.08
Coloured	-	0.48
Indian	-	0.91
All Non-European	-	0.08
All Races	-	0.18

M E A S L E S.

(a) Notifications : In Months

	EUROPEAN			MIN.	NON-MIN.			COL.			IND.			ALL RACES		
	M.	F.	T.	M.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
July	2	4	6	6	0	2	2							8	6	14
August	2	5	7	8	2	1	3	1	0	1				13	6	19
September	14	19	33	32	2	0	2	1	0	1				49	19	68
October	8	6	14	15										23	16	39
November	5	5	10	8										13	5	18
December	1	4	5	3										4	4	8
January	2	2	4	8										10	2	12
February	1	1	2	4										5	1	6
March	2	0	2	5										7	0	7
April				1	1	0	1							2	0	2
May	1	1	2	2				0	1	1				3	2	5
June	0	4	4	2										2	4	6
TOTAL	38	61	99	94	5	3	8	2	1	3				139	65	204

(b) Notifications : In Districts.

	EUROPEANS			NATIVES			COL.			IND.			ALL RACES		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Township	20	27	47	1	1	2	0	1	1				21	29	50
Northmead	3	12	15	1	0	1							4	12	16
Westdene	1	3	4										1	3	4
Location				1	2	3	2	0	2				3	2	5
Semi-Rural Areas	0	4	4										0	4	4
A	24	46	70	3	3	6	2	1	3	0	0	0	29	50	79
New Kleinfontein	1	0	1	20	0	20							21	0	21
Van Ryn Estates	1	0	1	11	0	11							12	0	12
Modder Bee	4	2	6	11	0	11							15	2	17
Modder Deep	3	3	6	1	0	1							4	3	7
Modder East	3	4	7										3	4	7
New Modder	2	5	7	15	0	15							17	5	22
Van Ryn Deep	0	1	1	38	0	38							38	1	39
B	14	15	29	96	0	96	0	0	0	0	0	0	110	15	125
TOTAL	38	61	99	99	3	102	2	1	3	0	0	0	139	65	204

(c) Notifications in Age Groups

	EUROPEAN:			MIN. NAT.	NON-MIN. N.			COL.			IND.			ALL RACES.		
	M.	F.	T.	M.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
0	2	3	5											2	3	5
1	1	9	10											1	9	10
2	4	6	10											4	6	10
3	1	3	4		0	1	1	1	0	1				2	4	6
4	6	5	11		1	1	2							7	6	13
5-9	17	24	41					1	1	2				18	25	43
10-14	4	4	8		0	1	1							4	5	9
15-19	0	4	4	20	2	0	2							22	4	26
20-24	1	2	3	47	1	0	1							49	2	51
25-up	2	1	3	27	1	0	1							30	1	31
TOTAL	38	61	99	94	5	3	8	2	1	3	0	0	0	139	65	204

(d) Incidence and Death Rates.

	INCIDENCE RATES (Notification per 1,000 Population)	DEATH RATES (Deaths Per 1,000 Population)
European	4.02	0.00
Mining Natives	2.72	0.20
Non-Mining Natives	0.33	0.00
Coloured	1.43	0.00
Indian	0.00	0.00
All Non-Europeans	1.69	0.11
ALL RACES	2.35	0.08

CEREBRO-SPINAL MENINGITIS

(a) Notifications : In Districts

	EUROPEAN			NATIVE			COL.			IND.			ALL RACES.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Township													0	0	0
Location				0	1	1							0	1	1
Semi-Rural Areas													0	0	0
A	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
New Kleinfontein													0	0	0
Van Ryn Estates				3	0	3							3	0	3
Modder Bee				20	0	20							20	0	20
Modder Deep				2	0	2							2	0	2
Modder East													0	0	0
New Modder				2	0	2							2	0	2
Van Ryn Deep				2	0	2							2	0	2
B	0	0	0	29	0	29	0	0	0	0	0	0	29	0	29
TOTAL	0	0	0	29	1	30	0	0	0	0	0	0	29	1	30

(b) Deaths : In Age Groups

	EUROPEAN.			MIN. NATIVES.	NON MIN. NATIVES.			COL.			IND.			ALL RACES		
	M.	F.	T.	M.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
0-9														0	0	0
10-14														0	0	0
15-19														0	0	0
20-24														0	0	0
25-up				2										2	0	2
TOTAL	0	0	0	2	0	0	0	0	0	0	0	0	0	2	0	2

(c) Incidence and Death Rates.

	INCIDENCE RATES. (Notifications per 1,000 Population)	DEATH RATES. (Deaths per 1,000 Population)	CASE MORTALITY RATES (Deaths per 100 Cases)
Europeans.	0.00	0.00	-
Natives - Mines.	0.84	0.06	7
Natives - Non Mines.	0.04	0.00	-
Coloured.	0.00	0.00	-
Indian.	0.00	0.00	-
All Non-European	0.48	0.03	7
ALL RACES	0.35	0.02	7

V I O L E N C E.

(a) Total Deaths : Causes

	EUROPEAN.			MIN.	NON-MIN.			COL.			IND.			ALL RACES		
	M.	F.	T.	M.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Suicide	1	0	1	3	6	0	6							10	0	10
Homicide	1	0	1		1	0	1							2	0	2
Accid.																
Railways	0	1	1	1	1	0	1	1	0	1	0	1	1	3	2	5
Accid. Mines				57										57	0	57
Accid. Roads				3	3	0	3	0	1	1				6	1	7
Accid. Other	4	0	4	4	4	0	4	1	1	2				13	1	14
TOTAL	6	1	7	68	15	0	15	2	2	4	0	1	1	91	4	95

(b) Total Deaths : In Districts

	EUROPEANS			NATIVES.			COL.			IND.			ALL RACES.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Township	4	1	5	8	0	8							12	1	13
Location				5	0	5	2	2	4	0	1	1	7	3	10
Semi-Rural Areas	1	0	1	2	0	2							3	0	3
A	5	1	6	15	0	15	2	2	4	0	1	1	22	4	26
New Kleinfontein	1	0	1	12	0	12							13	0	13
Van Ryn Estates				9	0	9							9	0	9
Modder Bec				10	0	10							10	0	10
Modder Deep				2	0	2							2	0	2
Modder East													0	0	0
New Modder				23	0	23							23	0	23
Van Ryn Deep				12	0	12							12	0	12
B	1	0	1	68	0	68	0	0	0	0	0	0	69	0	69
TOTAL	6	1	7	83	0	83	2	2	4	0	1	1	91	4	95

(c) Death Rates Per 1,000 Population

	Suicide	Homicide	Road Accidents	Mine Accidents	Railway Accidents	Other Violence	Total
European	0.04	0.04	0.00	0.00	0.04	0.16	0.33
Mining Nat.	0.09	0.00	0.09	1.6	0.03	0.12	1.97
Non " "	0.24	0.04	0.12	0.00	0.04	0.16	0.61
Coloured	0.00	0.00	0.49	0.00	0.49	0.95	1.90
Indian	0.00	0.00	0.00	0.00	0.91	0.00	0.91
All Non-Eur.	0.14	0.01	0.11	0.91	0.06	0.16	1.41
All Races	0.11	0.02	0.08	0.65	0.06	0.16	1.09

NOTIFICATIONS OF INFECTIOUS DISEASES

	EUROPEAN			MINE NATS.			NON-MINE NATIVES.			COLOURED			INDIAN.			ALL RACES.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Enteric Fever (All)	11	2	13	13		19	10	9	19	0	1	1	2	0	2	36	12	48
Enteric Fever (Imp.)	2	1	3	3		2	0	2	2	1		1	1	0	1	88	14	102
Pulmonary Tuberculosis	10	0	10	64		22	9	13	22	5	5	5	1	1	1	23	3	26
Non-Pulmonary Tuberculosis				20		5	3	2	8	2	1		0	1	1	139	65	204
Measles	38	61	99	94		16	9	7	16	1	1	3	0		2	44	44	88
Whooping Cough	34	34	68			1	1	0	1	1	1	2	0			12	14	26
Scarlet Fever	11	14	25			1	1	0	1	1	1					10	17	27
Diphtheria	9	17	26			1	1	0	1	1	1					12	4	16
Erysipelas	6	4	10	5		2	1	0	2							1	2	3
Gonorrhoeal Ophthalmia	1	0	1			2	0	0	2							3	0	3
Ophthalmia Neonatorum	1	0	1	2		1	1	0	2							2	0	2
Leprosy				1												2	0	2
Smallpox				1			1	0								2	0	2
Puerperal Fever	0	5	5					2								0	7	7
Acute Poliomyelitis	1	2	3				0	0								1	2	3
Tick Typhus	6	4	10				1	0	1							6	4	10
Trachoma				1			0	0	1							2	0	2
C.S. Meningitis				29			0	1	1							29	1	30
TOTAL	128	143	271	229		82	43	39	82	8	3	11	2	4	6	410	189	599

REMOVALS TO HOSPITAL : INFECTIOUS DISEASES

I. Boksburg-Benoni Hospital

	EUROPEAN	MINE NATIVES	NON-MINE NATIVES	COLOURED	INDIAN	ALL RACES
Puerperal Sepsis	2		2			4
Measles			2			2
Miliary T.B.			1			1
Pulmonary T.B.	4		12	4	1	21
C.S. Meningitis			1			1
Diphtheria	1					1
Enteric Fever	3		18			21
Erysipelas			1			1
T.B. Effusion			1			1
TOTAL	10	0	38	4	1	53

II. Mine Native Hospitals.

	EUROPEAN	MINE NATIVES	NON-MINE NATIVES	COLOURED	INDIAN	ALL RACES
Measles		93				93
Miliary T.B.		4				4
Pulmonary T.B.		65				65
C.S. Meningitis		30				30
Enteric Fever		12				12
Erysipelas		5				5
T.B. Meningitis		1				1
T.B. Glands (Neck)		6				6
Abdominal T.B.		3				3
T.B. Lumbar Spine		1				1
Gon. Adenitis		1				1
Gon. Ophthalmia		1				1
T.B. Pleurisy		1				1
T.B. Mediastinitis		1				1
T.B. Peritonitis		1				1
Trachoma		2				2
TOTAL	0	227	0	0	0	227

III. Johannesburg Fever Hospital

	EUROPEAN	MINE NATIVES	NON-MINE NATIVES	COLOURED	INDIAN	ALL RACES
Measles	1					1
Diphtheria	14					14
Scarlet Fever	1					1
TOTAL	16	0	0	0	0	16

IV. Springkell Sanatorium

	EUROPEAN	MINE NATIVES	NON-MINE NATIVES	COLOURED	INDIAN	ALL RACES
Pulmonary T.B.	3	0	0	0	0	3

V. Other Hospitals and Private Nursing Homes

	EUROPEAN	MINE NATIVES	NON-MINE NATIVES	COLOURED	INDIAN	ALL RACES
Fuerperal Sepsis	1					1
Pulmonary T.B.	2					2
Diphtheria			1			1
Enteric Fever	7					7
Leprosy			1			1
Tick Bite Fever	2					2
Poliomyelitis	3					3
Gon. Ophthalmia			1			1
TOTAL	15	0	3	0	0	18

VI. Rietfontein Isolation Hospital

	EUROPEAN	MINE NATIVES	NON-MINE NATIVES	COLOURED	INDIAN	ALL RACES
Gonorrhoea	2		48			50
Syphilis	1		141			142
Ophthalmia Neonatorum			3			3
Syphilis and Gonorrhoea			6			6
Smallpox			2			2
Gon. Ophthalmia			2			2
T.B. Pleurisy			1			1
Congenital Syphilis			3			3
Syphilitic Rhinitis			1			1
Syphilitic Sores			1			1
TOTAL	3	0	208	0	0	211

MATERNITY AND CHILD WELFARE

(a) Infant and Ante-Natal Clinics

	EUROPEAN	NATIVE	COLOURED	INDIAN	TOTAL
INFANT CLINICS:					
New Cases	213	258	86	4	561
Individual Cases	1321	1124	468	39	2952
Total Attendances	2707	2280	999	75	6061
ANTE-NATAL CLINICS:					
New Cases	46	375	51	5	477
Individual Cases	102	942	150	15	1209
Total Attendances	143	1728	255	18	2144

(b) Home Visits, etc.

	EUROPEAN	NATIVE	COLOURED	INDIAN	ALL RACES
First Visits	444	663	188	164	1459
Re-visits	1962	1596	872	594	5024
Ante-Natal Visits	45	519	202	116	882
Still Births	10	0	0	0	10
Protected Infants	0	0	0	0	0
Infantile Mortality	21	130	14	0	165
Infectious Diseases	10	0	0	0	10
Puerperal Sepsis	5	1	0	0	6
Inspections Midwives'					
Bag	46	0	0	0	46
Nursing Homes	9	0	0	0	9
Shop Conditions	97	0	0	0	97
V.D. Defaulters.	0	223	71	17	311
TOTAL	2649	3132	1347	891	8019

VENEREAL DISEASE : ALL CLINICS

	EUROPEAN.			NATIVE			COLOURED.			INDIAN.			ALL RACES.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
NEW CASES															
Syphilis i&ii	3	9	12	74	313	387	2	5	7	1	1	2	80	328	408
Syphilis iii	1	0	1	189	226	415	3	10	13	1	1	2	194	237	431
Neurosyphilis													0	0	0
Congenital Syph.				46	77	123	0	2	2	2	0	2	48	79	127
Total Syphilis	4	9	13	309	616	925	5	17	22	4	2	6	322	644	966
Gonorrhoea	4	1	5	4	0	4							8	1	9
Other Ven. Dis.													0	0	0
Total V.D.	8	10	18	313	616	929	5	17	22	4	2	6	330	645	975
Non V.D.	3	18	21	285	246	531	3	16	19	0	1	1	291	281	572
Total of Individual New Cases	11	28	39	598	862	1460	8	33	41	4	3	7	621	926	1547
ATTENDANCES															
Syphilis i&ii	26	66	92	674	1275	1949	12	55	67	3	7	10	715	1403	2118
Syphilis iii	6	22	28	935	890	1825	31	47	78	3	5	8	975	964	1939
Neurosyphilis													0	0	0
Congenital Syph.				165	253	418	0	4	4	2	0	2	167	257	424
Total Syphilis	32	88	120	1774	2418	4192	43	106	149	8	12	20	1857	2624	4481
Gonorrhoea	6	0	6	14	0	14							20	0	20
Other V.D.													0	0	0
Total V.D.	38	88	126	1788	2418	4206	43	106	149	8	12	20	1877	2624	4501
Non V.D.	3	18	21	285	246	531	3	16	19	0	1	1	291	281	572
Total Attend.	41	106	147	2073	2664	4737	46	122	168	8	13	21	2168	2905	5073
Wassermanns															
Taken	5	40	45	453	791	1244	4	62	66	2	7	9	402	727	1129
" Positive	1	5	6	181	329	510	1	21	22	0	2	2	183	357	540
N.A.B. Injections	25	75	100	1578	1745	3323	17	60	77	6	13	19	1626	1890	3516
Bismuth "	10	3	13	91	96	187	0	3	3	0	0	0	101	102	203
Other "	4	15	19	282	563	845	0	3	3	0	0	0	286	581	867

PASS OFFICE:

MEDICAL EXAMINATION OF NATIVES.

(a) Native Males.

	EXAMINED	REFERRED TO V.D. CLINIC	SENT TO RIET- FONTEIN V.D.	VACCINATED
July	1291	247	10	16
August	1224	279	4	17
September	1308	304	10	21
October	1175	147	9	13
November	1163	48	10	35
December	778	57	20	16
January	1234	17	12	8
February	1518	25	13	14
March	1562	48	20	20
April	1482	23	17	27
May	1484	19	15	13
June	1165	29	17	10
TOTAL	15384	1243	157	210

(b) Native Females.

Examined	1	0
Referred to V.D. Clinic	1	0
Sent to Rietfontein V.D. Hospital	1	39
Vaccinated	1	16

ROUTINE SANITATION AND HEALTH INSPECTIONS.

Notices Served	772
Reports for transmission to other Departments:-	
1. Town Engineer's Department:-	
Defective Water Fittings	27
Structural Defects to Premises	9
Stopped Drains	24
Unauthorised Structures	12
Undrained Premises	1
Other Defects	10
Building Plans (a) Approved	210
(b) Approved subject to alteration	22
(c) Refused	1
Drainage Plans (a) Approved	24
(b) Approved subject to alteration	1
2. Native Housing - Urban Areas Act:-	
A. Premises Approved	1
B. Alterations required to Premises	1
C. Major Alterations required	-
D. Premises unfit for Human habitation	2
3. Licence Department:-	
Applications approved without comment	381
Applications approved subject to conditions	21
Applications not in order	16
Insufficient Address	3
Building Plans, Location - Approved and Prepared	36
Visits in connection with Infectious Disease	731
Visits to Premises under Cyanide Fumigations	512
Visits to Premises re Rodents (other than by Rat Catcher)	164
Visits to premises re Vermin	205
Aerated Water Manufacturers	25
Butcher Shops	965
Bakehouses	85
Dealers' and General Dealers' Shops (Food)	1124
Dealers' and General Dealers' Shops (No Food)	796
Dairy Stables and Dairies	657
Milkshops and Purveyors of Milk	590
Milk Delivery Carts	53
Ice Cream Purveyors and Manufacturers	51
Ice Cream Carts	103
Fish and Poultry Shops	134
Municipal Market	238
Other places where food is manufactured	4
Teashops, Cafes, Restaurants and Eating Houses	990
Kaffir Eating Houses	854
Cattle Dealers' Premises	54
Other Factories and Workshops	87
Residential Hotels and Boarding Houses	141
Billiard Saloons	4
Hawkers Premises	42
Hawkers Carts	52

Pedlars Premises	1
Pedlars Vehicles	2
Theatres and Bioscopes	164
Hairdressers	285
Laundries	4
Mattress Makers and Upholsterers	2
Accumulation of Manure	15
Horse Stables	1805
Keeping of Animals	1523
Private Cowsheds	6
Piggeries	0
Mosquitoes: Complaints.	5
Refuse Tips	405
Refuse: Accumulation	256
Refuse Bins: Broken, Insufficient, etc.	522
Wash Houses	37
Waste Water Receptacles	19
Water Closets : Dirty	265
: Defective	204
Pail Closets : Dirty	14
: Defective	15
: Insufficient	1
Drains: Defective, Choked, etc	110
Courts, Alleys, Lanes.	9
Public Sanitary Conveniences	536
Native Housing	645
House Inspections	2451
Premises: Constructional Repairs	554
Open Ground	70
Sites or Premises, re deposited Plans	31
Disinfection of Premises	7
Visits for Vidal Test (Food Handlers)	-
Visits to Compounds: Mine	297
: Private	30
Complaints	262
Special Interviews	361
Other Visits	1087
	<hr/>
	22,235
	<hr/>

MUNICIPAL ABATTOIR.

Animals Slaughtered.

Oxen	30,157
Sheep	53,539
Calves	458
Pigs	-
	<u>84,154</u>

Income

Slaughtering Fees	£ 5,131
Examination of Meat	666
Rents and Disinfections	251
Commission on Levies	100
By-Products	2,115
Cold Storage Fees	1,768
Sundry Income	120

Total Income £10,151

Total Expenditure £11,515

BY-PRODUCTS (in lbs)

	<u>Blood Meal</u>	<u>Meat Meal.</u>	<u>Fat.</u>
Balance 1st. July 1940	2,300	1,100	1,865
Produced 1940-1941	247,400	174,900	29,170
TOTAL	249,700	176,000	31,035
Sales 1940-1941	247,400	174,300	28,675
Stock in Hand 30/6/41	2,300	1,700	2,360

"MEASLES" AND TUBERCULOSIS.

Condemnations and Detentions

	<u>"Measles"</u>		<u>Tuberculosis</u>	
	<u>Cold Storage.</u>	<u>Condemned</u>	<u>Cold Storage.</u>	<u>Condemned</u>
	<u>Total.</u>	<u>%.</u>	<u>Total.</u>	<u>%.</u>
Oxen	582	1.93	90	.29
Pigs	-	-	-	-

"MEASLY" CARCASSES TO COLD STORAGE

	<u>Number.</u>	<u>Weight.</u>
Local.	582	291,000
Imported.	-	-

FOODSTUFFS CONDEMNED

FRUIT AND VEGETABLES.

Apples	10 Cases.
Bananas	8 Crates.
Cabbage	5 Bags.
Cucumbers.	4 Boxes.
Grapes	9 Boxes.
Grenadillas	6 Boxes.
Guavas	61 Trays.
Lemons	1 Box.
Mangoes	1 Tray.
Marrows	10 Boxes.
Mulberries	5 Trays.
Oranges	42 Pockets.
Pawpaws	151 Boxes.
Peaches	22 Packets.
Peas	22 Packets.
Potatoes	4 Bags.
Sweet Melons	1 Box.
Tomatoes	253 Trays.
	1 Box.

VARIOUS FRESH FOODS.

Cheese	8 Cartons.
	1 Case.
Dressed Poultry	60
Eggs	43 Dozen.
Hams	4
Pork Sausages	32 lbs.

OTHER FOODS.

Egg Noodles	10 Packets.
Pickled Herrings	1 Casket.
Vermicelli	1 Packet.

FOODSTUFFS HANDED TO P.H.D. FOR DESTRUCTION

TINNED FOODS

Baked Beans	15 Tins.
Canned Vegetables	26 Tins.
Corn Beef	5 Tins.
Curried Fish	7 Tins.
Herrings in Tomatoe Sauce	15 Tins.
Jams	63 Tins.
Lemonade Cubes	1 Tin.
Meats	4 Tins.
Milk	10 Tins.
Peas	30 Tins.
Salmon	166 Tins.
Sardines	209 Tins.
Sauerkraut	36 Tins.
Sausages	30 Tins.
Sweet Corn	8 Tins.
Suet	1 Tin.
Trawler's Fish	1 Tin.
Vienna Sausages	35 Tins.

OTHER TINNED FOODS

182 Tins.

OTHER FOODS.

Barley	26 pkts.
Cheese	2 pkts.
Corn Flour	32 pkts.
Dates	1 Case.
Glazed Fruit	14 pkts.
Ham	1
Maizena	14 pkts.
Meat Paste	40 Jars.
Pickles	27 Bottles.
Pioneer Quick Cooker	1 pkt.
Puffed Wheat	2 pkts.
Pure Ground Rice	1 pkt.
Self Raising Flour	11 pkts.
Tastynuts	1 pkt.
Tiger Oatmeal	6 pkts.
Tomatoe Juice	1 Bottle.

FOODS, DRUGS, AND DISINFECTANTS ACT.

I. Samples for Analysis.

Milk - 29 Samples taken.

Milk Fat above 4%	-	3.
Milk Fat between 3.5 and 4%	-	15.
Milk Fat between 3.0 and 3.5%	-	10.
Milk Fat below 3%.	-	1.

Other Foodstuffs - 4 Samples were taken.

Kaffir Beer 2; Water Samples 2;

3 Samples of Milk were found to be adulterated.

II. Samples for Bacteriological Analysis

Water - 2 Samples were taken.

B. Coli not isolated from 10 c.c.	-	2.
Total count less than 100 organisms per c.c.		2.

PROSECUTIONS.

LAW.	OFFENCE.	PENALTY.
Dairy Bye-Laws Section 11 (a & b)	Dirty Premises and Utensils.	Guilty - Fined £7.10. or 20 days. (2 Partners).
Public Health Act Section 123 of Act 36 of 1919.	Insanitary Premises.	Order of Court obtained to abate within 30 days.
Public Health Act. Section 123 of Act 36 of 1919.	Demolition of Wood and Iron Buildings.	Guilty - Fined £10.
Foods, Drugs and Disinfectants Act. Section 17 (3).	Adulterated Milk.	Guilty - Fined £2.
Foods, Drugs and Disinfectants Act. Section 17 (3).	Adulterated Milk.	Guilty - Fined £2.
Foods, Drugs and Disinfectants Act. Section 17 (3)	Milk below standard.	Guilty - Fined £2.
Dairy Bye-Laws. Section 2.	Trading as a Milkshop without a licence.	Guilty - Fined £5.

LICENCE APPLICATIONS.

(a) Dealers (Wholesale and Retail).

	APPLICA- TIONS RECEIVED.	APPLICATIONS APPROVED. (No Conditions)	APPLICATIONS APPROVED. (After Conditions Completed)	APPLICA- TIONS NOT IN ORDER.	APPLICA- TIONS WITHDRAWN.	INSUFFICIENT ADDRESS.
Bakers	1	1				
Boarding Houses	15	15		2		
Butchers	9	7				
Fish Mongers	5	5				
Fumigators	6	6		1		
Fresh Produce Dealers	24	23	6	7		1
General Dealers	168	154	2	1		
Grocers	19	16		1		
Hairdressers.	19	18	1	1		
Hawkers	34	33				
Hotel Dining Rooms	2	2	1			
Kaffir Eating Houses	6	5	1			
Lodging Houses	1	1				
Pedlars	11	10	1	1		
Restaurants	5	1	3			
Recreation Hall	1	1				
Theatres and Bioscopes	4	4				
Cobblers	14	10	2			2
Laundries	2	2				
Billiard Rooms	1	1				
TOTAL:	347	315	16	13	-	3

(b) Dairies and Milkshops

	APPLICATIONS RECEIVED.	APPLICATIONS APPROVED (No conditions).	APPLICATIONS APPROVED (After conditions comp)	APPLICATIONS NOT IN ORDER	APPLICATIONS WITHDRAWN.
Registration: Dairies. Permits to introduce. Milkshops.	18 32 24	17 26 23	1 4	2 1	
TOTAL:	74	66	5	3	1

VERMIN CONTROL.

RODENTS:

No. of Holes treated	47,083
Amount of Cyano-Gas used	2,144 lbs.
Amount of Poisoned Wheat used	325 lbs.

No. of Rodents killed:-

Domestic Rats (Ratus Ratus)	4,972
Domestic Mice (Mus Musculus)	3,274
Gerbilles (Taterona Lobengula)	1,723

